INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 10997P3 WO/RH			FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)					
International application No. PCT/GB 03/03549			International filing date (day) 14.08.2003	nonth/j	year)	Priority date (day/month/year) 14.08.2002		
		ent Classification (IPC) or bo 01N37/36	oth national classification and If	C				
Applicant RECKIT	T BE	NCKISER INC. et al.						
1. This	This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.							
2. This	This REPORT consists of a total of 5 sheets, including this cover sheet.							
	bee	n amended and are the b	nied by ANNEXES, i.e. shee pasis for this report and/or s 607 of the Administrative Ir	neets	containing r	ion, claims and/or drawings which have ectifications made before this Authority the PCT).		
These annexes consist of a total of sheets.								
				·				
3. This			ating to the following items:					
ı	Ø	Basis of the opinion	ating to the following items:		and the state of t			
l II		Basis of the opinion Priority	·	v inve	entive stan a	and industrial applicability		
ı	Ø	Basis of the opinion Priority Non-establishment of c	pinion with regard to novelt	y, inve	entive step a	and industrial applicability		
) 		Basis of the opinion Priority Non-establishment of o Lack of unity of invention Reasoned statement u	pinion with regard to novelt	ard to		and industrial applicability eventive step or industrial applicability;		
 V		Basis of the opinion Priority Non-establishment of o Lack of unity of invention Reasoned statement u	pinion with regard to novelt on nder Rule 66.2(a)(ii) with re ons supporting such stateme	ard to				
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I.	Bas	is	nf	the	rei	nort
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1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Des	scription, Pages							
	1-3	•	as originally filed						
	Cla	ims, Numbers							
	1-16	66	as originally filed						
2.	With lang	ith regard to the language , all the elements marked above were available or furnished to this Authority in the nguage in which the international application was filed, unless otherwise indicated under this item.							
	The	hese elements were available or furnished to this Authority in the following language: , which is:							
		the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).							
		☐ the language of publication of the international application (under Rule 48.3(b)).							
		the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).							
3.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:								
		contained in the international application in written form.							
		filed together with th	e international application in computer readable form.						
	ntly to this Authority in written form.								
☐ furnished subsequently to this Authority in computer readable form.									
		The statement that t in the international a	he subsequently furnished written sequence listing does not go beyond the disclosure pplication as filed has been furnished.						
		The statement that t listing has been furn	he information recorded in computer readable form is identical to the written sequence ished.						
4.	The	amendments have re	esulted in the cancellation of:						
		the description,	pages:						
		the claims,	Nos.:						
		the drawings,	sheets:						
5.		This report has been been considered to g	established as if (some of) the amendments had not been made, since they have go beyond the disclosure as filed (Rule 70.2(c)).						
		(Any replacement streport.)	neet containing such amendments must be referred to under item 1 and annexed to this						
6.	Add	itional observations,	f necessary:						
	see	separate sheet							

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III.	. Nor	n-establishment of opinion w	ith reg	gard to nove	lty, inventive step and industrial applicability			
 The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of: 								
	☐ the entire international application,							
	☑ claims Nos. 1-166(all partly)							
	because:							
		the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (specify):						
		the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specify):						
	the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinic could be formed.							
		no international search report	has be	een establish	ed for the said claims Nos. 1-166(all partly)			
2.	A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:							
		the written form has not been	furnish	ned or does n	ot comply with the Standard.			
		the computer readable form ha	as not	been furnish	ed or does not comply with the Standard.			
٧.	V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
1.	Statement							
	Nov	relty (N)	Yes: No:	Claims Claims	1-166			
	Inve	entive step (IS)	Yes: No:	Claims Claims	1-166			
	Indu	ustrial applicability (IA)	Yes: No:	Claims Claims	1-166			
2	Cita	tions and explanations						

see separate sheet

Re Item I

Basis of the report

The documents mentioned in this International Preliminary Examination Report are numbered in accordance with the order they appear in the International Search Report.

Re Item III

Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

The ISA carried out an incomplete search (Arts.5, 6 and 17 PCT) for the following reason:

The wording "(a) organic acid" and even the descriptive general formula given in claim 2 is so broad, that a search cannot be carried out within its whole scope, too many alternatives being to be taken into account. Further, the polymer (b) is defined in claim 1 only by a complexing property with respect to (a). This property is intrinsically present in many polymers, but since this property is not necessarily mentioned in the prior art, it is not possible to carry out a complete search as to the polymer either.

Therefore, the search has been limited to combinations of acids as listed in claim 3 and polymers as listed in claim 4. Consequently, the present report solely relates to this searched subject-matter.

Re Item V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

The present application lacks conciseness. Actually, the term "concise" as it can be read in Art. 6(ii) and Rule 6.1a PCT and in the PCT Guidelines PG-III 5.1, should be interpreted not only as a requirement to shorten each Claim individually, but also to reduce as much as possible the number of Claims, especially the independent ones, and to avoid claiming twice or more the same features.

In this respect, the present application contains 5 independent claims of the same category (claims 1, 39, 72, 99 and 129). It appears that claims 39, 72 and 99 should be made dependent from claim 1 because all their technical features are already present in claim

1 and further claim 129 is obsolete as having the same scope as claim 1. Moreover, 166 is not a reasonable number of claims for defining an invention and introduces a doubt on what exactly the invention is.

The present invention relates to an aqueous disinfectant composition containing a disinfecting organic acid complexed with a polymer.

D1 describes the antimicrobial properties of organic acids in general and specifically in relation with teat dips for preventing mastitis and an immediate and long lasting antimicrobial effect is obtained. In the examples of D1, PVP K-90 is often present. This polymer is mentioned in the present application as a suitable complexing agent for the organic acids.

D2 describes complexes of organic acids (e.g. citric acid) with N-vinyl-lactam copolymers (e.g. PVP K-30), the obtained effects being mainly the elimination/reduction of surfactant needs, the retention of the active ingredient on the site of application and the enhanced solubility.

D3 teaches the advantages of using an anionic polymer for delivering a cationic chemical. In the present case, the situation in reversed, but when the technical problem is to deliver known anionic chemicals, the selection of the corresponding counter-ionic polymer is obvious.

So far, the contribution to the art is unclear. Whereas novelty with respect to D1 and D2 is formally provided by the copolymer used instead of an homopolymer, it does not appear at the present stage what unexpected effect results therefrom. The cited prior art clearly teaches the advantages of using a complexing polymer as counterionic part for ionic active chemicals to be delivered. Therefore, the present application does not fulfill the criteria of Article 33(3) PCT, because the claimed subject-matter does not involve an inventive step (Rule 65(1) and (2) PCT).